



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: OOCL-73 (US-P1535)

Applicant: Masaaki SHIBUYA

Serial No.: 10/054,667

Filing Date: November 13, 2001

Title: PRINTER

Examiner: Not yet assigned

Group Art Unit: Not yet assigned

ASSISTANT COMMISSIONER FOR PATENTS

**Box Missing Parts**

Washington, D.C. 20231

Attn.: Official Draftsperson


S I R:

SUBMISSION OF FORMAL DRAWINGS

In response to the "Notice to File Missing Parts of Nonprovisional Application" mailed March 21, 2002, submitted herewith are ten sheets of formal drawings (Figs. 1-15) in connection with the above-captioned application.

Respectfully submitted,

May 21, 2002

  
\_\_\_\_\_  
John C. Pokotylo, Attorney  
Reg. No. 36,242  
Customer No. 26479  
(732) 335-1222

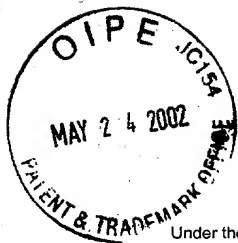
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Suite 83, Building 6  
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CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)

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\_\_\_\_\_  
John C. Pokotylo

36,242  
Reg. No.



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|---|
| + |
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T.D      MP

Modified PTO/SB/21 (08-00)  
Approved for use through 10/31/2002 OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|--|-----------------------------|-------------------------------|--------------------|
| <h2 style="margin: 0;">TRANSMITTAL<br/>FORM</h2> <p style="margin: 5px 0;"><i>(to be used for all correspondence after initial filing)</i></p> | <b>Application Number</b>   | 10/054,667                    |                    |
|  | <b>Filing Date</b>          | November 13, 2001             |                    |
|  | <b>First Named Inventor</b> | Masaaki SHIBUYA               |                    |
|  | <b>Group Art Unit</b>       | Not yet assigned              |                    |
|  | <b>Examiner Name</b>        | Not yet assigned              |                    |
| <b>Total Number of Pages in This Submission</b>  |                             | <b>Attorney Docket Number</b> | OOCL-73 (US-P1535) |

| <b>ENCLOSURES</b> <i>(check all that apply)</i>   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input checked="" type="checkbox"/> Certified Copy of Priority Document(s)<br><input checked="" type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input checked="" type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input checked="" type="checkbox"/> Assignment Papers<br><i>(for an Application)</i><br><input checked="" type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence<br>Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication<br>to Group<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group<br><i>(Appeal Notice, Brief, Reply Brief)</i><br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Postcard Receipt<br><input checked="" type="checkbox"/> Other Enclosure(s) <i>(please<br/>    identify below):</i><br>An executed declaration, an English<br>language translation of the application<br>and a certificate of translation, certified<br>copies of priority applications, an<br>information disclosure statement with<br>four references, separate sheets with<br>marked-up version of the specification. |
| <div style="border: 1px solid black; width: 100px; height: 20px; float: left; margin-bottom: 5px;"></div> Remarks   |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                                    |
|--|------------------------------------|
| Firm<br>or<br>Individual name              | John C. Pokotylo (Reg. No. 36,242) |
| Signature                                  |                                    |
| Date                                       | May 21, 2002                       |

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| Typed or printed name  | John C. Pokotylo |      |              |
| Signature  |                  | Date | May 21, 2002 |

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT

(\$ 1,208.00

## Complete if Known

|                      |                    |
|----------------------|--------------------|
| Application Number   | 10/054,667         |
| Filing Date          | November 13, 2001  |
| First Named Inventor | Masaaki SHIBUYA    |
| Examiner Name        | Not yet assigned   |
| Group Art Unit       | Not yet assigned   |
| Attorney Docket No.  | OOCL-73 (US-P1535) |

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to:

Deposit  
Account  
Number

50-1049

Deposit  
Account  
Name

Straub & Pokotylo

☒ Charge any deficiency or credit any overpayment

☐ Applicant claims small entity status  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

101 740 201 370 Utility filing fee

106 330 206 165 Design filing fee

107 510 207 255 Plant filing fee

108 740 208 370 Reissue filing fee

114 160 214 80 Provisional filing fee

Fee Paid

740.00

SUBTOTAL (1) (\$ 740.00

### 2. EXTRA CLAIM FEES

|                    |    |         |   |   |       |   |        |
|--------------------|----|---------|---|---|-------|---|--------|
| Total Claims       | 19 | -20** = | 0 | X | 00.00 | = | 00.00  |
| Independent Claims | 5  | -3** =  | 2 | X | 84.00 | = | 168.00 |
| Multiple Dependent |    |         |   | X |       | = |        |

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20

102 84 202 42 Independent claims in excess of 3

104 280 204 140 Multiple dependent claim, if not paid

109 84 209 42 \*\*Reissue independent claims over original patent

110 18 210 9 \*\*Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 168.00

\*\*or number previously paid, if greater, For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid   |
|----------------------------|----------------------------|--|------------|
| 105 130 205 65             |                            | Surcharge - late filing fee or oath  | 130.00     |
| 127 50 227 25              |                            | Surcharge - late provisional filing fee or cover sheet                     |            |
| 139 130 139 130            |                            | Non-English specification  | 130.00     |
| 147 2,520 147 2,520        |                            | For filing a request for ex parte reexamination                            |            |
| 112 920* 112 920*          |                            | Requesting publication of SIR prior to Examiner action                     |            |
| 113 1,840* 113 1,840*      |                            | Requesting publication of SIR after Examiner action                        |            |
| 115 110 215 55             |                            | Extension for reply within first month                                     |            |
| 116 400 216 200            |                            | Extension for reply within second month                                    |            |
| 117 920 217 460            |                            | Extension for reply within third month                                     |            |
| 118 1,440 218 720          |                            | Extension for reply within fourth month                                    |            |
| 128 1,960 228 980          |                            | Extension for reply within fifth month                                     |            |
| 119 320 219 160            |                            | Notice of Appeal   |            |
| 120 320 220 160            |                            | Filing a brief in support of an appeal                                     |            |
| 121 280 221 140            |                            | Request for oral hearing   |            |
| 138 1,510 138 1,510        |                            | Petition to institute a public use proceeding                              |            |
| 140 110 240 55             |                            | Petition to revive - unavoidable   |            |
| 141 1,280 241 640          |                            | Petition to revive - unintentional   |            |
| 142 1,280 242 640          |                            | Utility issue fee (or reissue)   |            |
| 143 460 243 230            |                            | Design issue fee   |            |
| 144 620 244 310            |                            | Plant issue fee  |            |
| 122 130 122 130            |                            | Petitions to the Commissioner  |            |
| 123 50 123 50              |                            | Processing fee under 37 CFR 1.17(q)  |            |
| 126 180 126 180            |                            | Submission of Information Disclosure Stmt                                  |            |
| 581 40 581 40              |                            | Recording each patent assignment per property (times number of properties) | 40.00      |
| 146 740 246 370            |                            | Filing a submission after final rejection (37 CFR § 1.129(a))              |            |
| 149 740 249 370            |                            | For each additional invention to be examined (37 CFR § 1.129(b))           |            |
| 179 740 279 370            |                            | Request for Continued Examination (RCE)                                    |            |
| 169 900 169 900            |                            | Request for expedited examination of a design application                  |            |
| Other fee (specify) _____  |                            |  |            |
| SUBTOTAL (3)               |                            |  | (\$ 300.00 |

## SUBMITTED BY

|                   |                  |                                   |              |           |                |
|-------------------|------------------|-----------------------------------|--------------|-----------|----------------|
| Name (Print/Type) | John C. Pokotylo | Registration No. (Attorney/Agent) | 36,242       | Telephone | (732) 335-1222 |
| Signature         |                  | Date                              | May 21, 2002 |           |                |

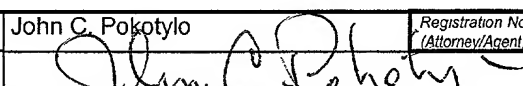
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|  |  |                          |                    |
|--|--|--------------------------|--------------------|
| <h1>FEE TRANSMITTAL</h1> <h2>for FY 2002</h2> <p><i>Patent fees are subject to annual revision</i></p> |  | <b>Complete if Known</b> |                    |
|  |  | Application Number       | 10/054,667         |
|  |  | Filing Date              | November 13, 2001  |
|  |  | First Named Inventor     | Masaaki SHIBUYA    |
|  |  | Examiner Name            | Not yet assigned   |
|  |  | Group Art Unit           | Not yet assigned   |
| TOTAL AMOUNT OF PAYMENT  |  | (\$ ) 1,208.00           |                    |
|  |  | Attorney Docket No.      | OOCL-73 (US-P1535) |

| <b>METHOD OF PAYMENT</b>   |                       | <b>FEE CALCULATION (continued)</b>  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
|--|-----------------------|---|-----------------------|-----------------------|-----------------------|-----------------|-----------|------------------------|--------|-------------------------------------|----------|-----------------------------------|--------|--|---------|---------------------------------------|---------|---------------------------|---------|---|-----------|---|--------|---|----------|--|--|------------|--------------|---|--|---------|--------|--|--|---------|---------|---|--|---------|---------|--|--|-----------|---------|---|--|-----------|---------|--|--|---------|---------|------------------|--|---------|---------|--|--|---------|---------|--------------------------|--|-----------|-----------|---|--|---------|--------|----------------------------------|--|-----------|---------|------------------------------------|--|-----------|---------|--------------------------------|--|---------|---------|------------------|--|---------|---------|-----------------|--|---------|---------|-------------------------------|--|--------|--------|-------------------------------------|--|---------|---------|---|--|--------|--------|--|-------|---------|---------|---|--|---------|---------|--|--|---------|---------|---|--|---------|---------|---|--|---------------------------|--|--|--|-----------------------------------|--|--|--|--------------|--|--|--------------|
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to:<br>Deposit Account Number: 50-1049<br>Deposit Account Name: Straub & Pokotylo<br><input checked="" type="checkbox"/> Charge any deficiency or credit any overpayment<br><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |                       | <b>3. ADDITIONAL FEES</b>   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 2. <input checked="" type="checkbox"/> Payment Enclosed:<br><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other   |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| <b>FEE CALCULATION</b>   |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| <b>1. BASIC FILING FEE</b>   |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101 740</td><td>201 370</td><td>Utility filing fee</td><td>740.00</td></tr><tr><td>106 330</td><td>206 165</td><td>Design filing fee</td><td></td></tr><tr><td>107 510</td><td>207 255</td><td>Plant filing fee</td><td></td></tr><tr><td>108 740</td><td>208 370</td><td>Reissue filing fee</td><td></td></tr><tr><td>114 160</td><td>214 80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="3">SUBTOTAL (1)</td><td>(\$ ) 740.00</td></tr></tbody></table>   |                       | Large Entity Fee Code   | Small Entity Fee Code | Fee Description       | Fee Paid              | 101 740         | 201 370   | Utility filing fee     | 740.00 | 106 330                             | 206 165  | Design filing fee                 |        | 107 510  | 207 255 | Plant filing fee                      |         | 108 740                   | 208 370 | Reissue filing fee                                |           | 114 160   | 214 80 | Provisional filing fee                                    |          | SUBTOTAL (1)   |  |            | (\$ ) 740.00 |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| Large Entity Fee Code  | Small Entity Fee Code | Fee Description   | Fee Paid              |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 101 740  | 201 370               | Utility filing fee  | 740.00                |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 106 330  | 206 165               | Design filing fee   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 107 510  | 207 255               | Plant filing fee  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 108 740  | 208 370               | Reissue filing fee  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 114 160  | 214 80                | Provisional filing fee  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| SUBTOTAL (1)   |                       |   | (\$ ) 740.00          |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| <b>2. EXTRA CLAIM FEES</b>   |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| <table border="1"><thead><tr><th>Total Claims</th><th>Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>19</td><td>-20** = 0</td><td>00.00</td><td>00.00</td></tr><tr><td>5</td><td>-3** = 2</td><td>84.00</td><td>168.00</td></tr><tr><td colspan="3">Multiple Dependent</td><td></td></tr></tbody></table>  |                       | Total Claims  | Extra Claims          | Fee from below        | Fee Paid              | 19              | -20** = 0 | 00.00                  | 00.00  | 5                                   | -3** = 2 | 84.00                             | 168.00 | Multiple Dependent                                     |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| Total Claims   | Extra Claims          | Fee from below  | Fee Paid              |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 19   | -20** = 0             | 00.00   | 00.00                 |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 5  | -3** = 2              | 84.00   | 168.00                |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| Multiple Dependent   |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103 18</td><td>203 9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102 84</td><td>202 42</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104 280</td><td>204 140</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>109 84</td><td>209 42</td><td>**Reissue independent claims over original patent</td><td></td></tr><tr><td>110 18</td><td>210 9</td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="3">SUBTOTAL (2)</td><td>(\$ ) 168.00</td></tr></tbody></table> |                       | Large Entity Fee Code   | Small Entity Fee Code | Fee Description       | Fee Paid              | 103 18          | 203 9     | Claims in excess of 20 |        | 102 84                              | 202 42   | Independent claims in excess of 3 |        | 104 280  | 204 140 | Multiple dependent claim, if not paid |         | 109 84                    | 209 42  | **Reissue independent claims over original patent |           | 110 18  | 210 9  | **Reissue claims in excess of 20 and over original patent |          | SUBTOTAL (2)   |  |            | (\$ ) 168.00 |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| Large Entity Fee Code  | Small Entity Fee Code | Fee Description   | Fee Paid              |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 103 18   | 203 9                 | Claims in excess of 20  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 102 84   | 202 42                | Independent claims in excess of 3   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 104 280  | 204 140               | Multiple dependent claim, if not paid   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 109 84   | 209 42                | **Reissue independent claims over original patent   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 110 18   | 210 9                 | **Reissue claims in excess of 20 and over original patent   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| SUBTOTAL (2)   |                       |   | (\$ ) 168.00          |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| **or number previously paid, if greater, For Reissues, see above   |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
|  |                       | <b>3. ADDITIONAL FEES</b>   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
|  |                       | <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Small Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td>130.00</td></tr><tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td>130.00</td></tr><tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr><tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116 400</td><td>216 200</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117 920</td><td>217 460</td><td>Extension for reply within third month</td><td></td></tr><tr><td>118 1,440</td><td>218 720</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128 1,960</td><td>228 980</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119 320</td><td>219 160</td><td>Notice of Appeal</td><td></td></tr><tr><td>120 320</td><td>220 160</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121 280</td><td>221 140</td><td>Request for oral hearing</td><td></td></tr><tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>141 1,280</td><td>241 640</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142 1,280</td><td>242 640</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143 460</td><td>243 230</td><td>Design issue fee</td><td></td></tr><tr><td>144 620</td><td>244 310</td><td>Plant issue fee</td><td></td></tr><tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123 50</td><td>123 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr><tr><td>126 180</td><td>126 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr><tr><td>146 740</td><td>246 370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr><tr><td>149 740</td><td>249 370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr><tr><td>179 740</td><td>279 370</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>169 900</td><td>169 900</td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="3">Other fee (specify) _____</td><td></td></tr><tr><td colspan="3">*Reduced by Basic Filing Fee Paid</td><td></td></tr><tr><td colspan="3">SUBTOTAL (3)</td><td>(\$ ) 300.00</td></tr></tbody></table> |                       | Large Entity Fee Code | Small Entity Fee Code | Fee Description | Fee Paid  | 105 130                | 205 65 | Surcharge - late filing fee or oath | 130.00   | 127 50                            | 227 25 | Surcharge - late provisional filing fee or cover sheet |         | 139 130                               | 139 130 | Non-English specification | 130.00  | 147 2,520   | 147 2,520 | For filing a request for ex parte reexamination |        | 112 920*  | 112 920* | Requesting publication of SIR prior to Examiner action |  | 113 1,840* | 113 1,840*   | Requesting publication of SIR after Examiner action |  | 115 110 | 215 55 | Extension for reply within first month |  | 116 400 | 216 200 | Extension for reply within second month |  | 117 920 | 217 460 | Extension for reply within third month |  | 118 1,440 | 218 720 | Extension for reply within fourth month |  | 128 1,960 | 228 980 | Extension for reply within fifth month |  | 119 320 | 219 160 | Notice of Appeal |  | 120 320 | 220 160 | Filing a brief in support of an appeal |  | 121 280 | 221 140 | Request for oral hearing |  | 138 1,510 | 138 1,510 | Petition to institute a public use proceeding |  | 140 110 | 240 55 | Petition to revive - unavoidable |  | 141 1,280 | 241 640 | Petition to revive - unintentional |  | 142 1,280 | 242 640 | Utility issue fee (or reissue) |  | 143 460 | 243 230 | Design issue fee |  | 144 620 | 244 310 | Plant issue fee |  | 122 130 | 122 130 | Petitions to the Commissioner |  | 123 50 | 123 50 | Processing fee under 37 CFR 1.17(q) |  | 126 180 | 126 180 | Submission of Information Disclosure Stmt |  | 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 146 740 | 246 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 740 | 249 370 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 740 | 279 370 | Request for Continued Examination (RCE) |  | 169 900 | 169 900 | Request for expedited examination of a design application |  | Other fee (specify) _____ |  |  |  | *Reduced by Basic Filing Fee Paid |  |  |  | SUBTOTAL (3) |  |  | (\$ ) 300.00 |
| Large Entity Fee Code  | Small Entity Fee Code | Fee Description   | Fee Paid              |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 105 130  | 205 65                | Surcharge - late filing fee or oath   | 130.00                |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 127 50   | 227 25                | Surcharge - late provisional filing fee or cover sheet  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 139 130  | 139 130               | Non-English specification   | 130.00                |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 147 2,520  | 147 2,520             | For filing a request for ex parte reexamination   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 112 920*   | 112 920*              | Requesting publication of SIR prior to Examiner action  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 113 1,840*   | 113 1,840*            | Requesting publication of SIR after Examiner action   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 115 110  | 215 55                | Extension for reply within first month  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 116 400  | 216 200               | Extension for reply within second month   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 117 920  | 217 460               | Extension for reply within third month  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 118 1,440  | 218 720               | Extension for reply within fourth month   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 128 1,960  | 228 980               | Extension for reply within fifth month  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 119 320  | 219 160               | Notice of Appeal  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 120 320  | 220 160               | Filing a brief in support of an appeal  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 121 280  | 221 140               | Request for oral hearing  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 138 1,510  | 138 1,510             | Petition to institute a public use proceeding   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 140 110  | 240 55                | Petition to revive - unavoidable  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 141 1,280  | 241 640               | Petition to revive - unintentional  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 142 1,280  | 242 640               | Utility issue fee (or reissue)  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 143 460  | 243 230               | Design issue fee  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 144 620  | 244 310               | Plant issue fee   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 122 130  | 122 130               | Petitions to the Commissioner   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 123 50   | 123 50                | Processing fee under 37 CFR 1.17(q)   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 126 180  | 126 180               | Submission of Information Disclosure Stmt   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 581 40   | 581 40                | Recording each patent assignment per property (times number of properties)  | 40.00                 |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 146 740  | 246 370               | Filing a submission after final rejection (37 CFR § 1.129(a))   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 149 740  | 249 370               | For each additional invention to be examined (37 CFR § 1.129(b))  |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 179 740  | 279 370               | Request for Continued Examination (RCE)   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| 169 900  | 169 900               | Request for expedited examination of a design application   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| Other fee (specify) _____  |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| *Reduced by Basic Filing Fee Paid  |                       |   |                       |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |
| SUBTOTAL (3)   |                       |   | (\$ ) 300.00          |                       |                       |                 |           |                        |        |                                     |          |                                   |        |  |         |                                       |         |                           |         |   |           |   |        |   |          |  |  |            |              |   |  |         |        |  |  |         |         |   |  |         |         |  |  |           |         |   |  |           |         |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                           |  |  |  |                                   |  |  |  |              |  |  |              |

|                     |   |                                   |                |
|---------------------|---|-----------------------------------|----------------|
| <b>SUBMITTED BY</b> |   | <b>Complete (if applicable)</b>   |                |
| Name (Print/Type)   | John C. Pokotylo  | Registration No. (Attorney/Agent) | 36,242         |
| Signature           |  | Telephone                         | (732) 335-1222 |
|                     |   | Date                              | May 21, 2002   |

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 10/054,667         | 11/13/2001          | Masaaki Shibuya       | OOCL-73 (US-P1535)     |

CONFIRMATION NO. 5240

## FORMALITIES LETTER



\*OC000000007693813\*

26479  
STRAUB & POKOTYLO  
1 BETHANY ROAD, SUITE 83  
BUILDING 6  
HAZLET, NJ 07730

Date Mailed: 03/21/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

05/28/2002 BABRAHA1 00000012 10054667

FILED UNDER 37 CFR 1.53(b)

|           |           |
|-----------|-----------|
| 01 FC:101 | 740.00 OP |
| 02 FC:105 | 130.00 OP |
| 03 FC:139 | 130.00 OP |
| 04 FC:102 | 168.00 OP |

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The application was filed in a language other than English. Applicant is required to provide an English translation of the specification and a statement that the translation is accurate. (See 37 CFR 1.52(d)).
- Applicant must file an English translation of the application, the \$ 130 fee set forth in 37 CFR 1.17(i), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).
- **The balance due by applicant is \$ 1000.**
- Because your specification was filed in a language other than English, the Office was unable to determine the number of claims submitted. Additional claim fees may be due once the number of claims can be determined.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing figures contain text that is not in English (including, for example, a flow chart)

that was originally not in English that has been marked up to include the English text)  
see 37 CFR 1.84(p)(2) and 37 CFR 1.52(d)(1);

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*A copy of this notice MUST be returned with the reply.*

Tsegeredu

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

SCANNED, # 14